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OM protein - protein search, using sw model

Run on: June 18, 2001, 15:29:27 ; Search time 28.21 seconds
(without alignments)
324.199 Million cell updates/sec

Title: US-09-653-755A-4

Perfect score: 2427
1 EVQLQSGSEELVPGASVMI.....RHEGLKNLYLKRTISRPCK 454

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 193259 seqs, 20144635 residues

Total number of hits satisfying chosen parameters: 193259

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/PTUS.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1839.5	75.8	468	2 US-08-116-247-7	Sequence 7, Appl
2	1830.5	75.4	468	2 US-08-303-569B-7	Sequence 33, Appl
3	1594.5	65.7	445	1 US-08-353-400-33	Sequence 33, Appl
4	1594.5	65.7	464	1 US-08-353-400-36	Sequence 36, Appl
5	1548	63.8	454	2 US-07-934-373C-22	Sequence 22, Appl
6	1548	63.8	454	3 US-08-437-642B-22	Sequence 22, Appl
7	1548	63.8	454	5 PCT-US93-07832-22	Sequence 22, Appl
8	1466.5	60.4	449	1 US-08-458-516-13	Sequence 13, Appl
9	1447	59.6	467	2 US-09-049-672A-8	Sequence 8, Appl
10	1439	59.3	467	2 US-07-916-098A-45	Sequence 45, Appl
11	1427.5	58.8	476	2 US-08-378-939-10	Sequence 10, Appl
12	1427	58.8	452	3 US-09-027-449-71	Sequence 71, Appl
13	1427	58.8	452	4 US-09-026-985-71	Sequence 71, Appl
14	1419	58.5	552	5 PCT-US93-07832-23	Sequence 23, Appl
15	1416	58.3	450	2 US-08-788-800-12	Sequence 12, Appl
16	1416	58.3	469	2 US-07-934-373C-23	Sequence 23, Appl
17	1416	58.3	469	2 US-08-437-642B-23	Sequence 23, Appl
18	1411.5	58.2	447	6 5455030-1	Patent No. 5455030
19	1411.5	58.2	599	3 US-08-442-542-18	Sequence 18, Appl
20	1411.5	58.2	599	3 US-08-765-469-18	Sequence 18, Appl
21	1375	56.7	459	1 US-08-157-101A-7	Sequence 7, Appl
22	1371.5	56.5	451	2 US-08-887-352B-14	Sequence 14, Appl
23	1371.5	56.5	451	2 US-08-887-352B-16	Sequence 16, Appl
24	1371.5	56.5	451	3 US-08-466-151-65	Sequence 65, Appl
25	1371.5	56.5	451	4 US-09-109-207C-14	Sequence 14, Appl
26	1371.5	56.5	451	4 US-09-109-207C-16	Sequence 16, Appl
27	1370.5	56.5	451	2 US-08-887-352B-18	Sequence 18, Appl

28	1370.5	56.5	451	4 US-09-109-207C-18	Sequence 18, Appl
29	1370.5	56.5	451	4 US-09-282-505-2	Sequence 2, Appl
30	1370.5	56.5	451	4 US-09-054-255-2	Sequence 2, Appl
31	1368	56.4	446	4 US-08-397-411-7	Sequence 4, Appl
32	1362	56.1	473	4 US-09-049-672A-4	Sequence 4, Appl
33	1351.5	55.7	443	5 PCT-US96-13152-4	Sequence 8, Appl
34	1351.5	55.7	453	3 US-08-466-151-8	Sequence 8, Appl
35	1345.5	55.4	478	4 US-08-487-550-8	Sequence 8, Appl
36	1338	55.1	467	1 US-08-704-744-81	Sequence 81, Appl
37	1336	55.0	445	4 US-08-341-560B-17	Sequence 17, Appl
38	1316.5	54.2	476	4 US-08-487-550-12	Sequence 12, Appl
39	1316	54.2	467	4 US-08-523-894-12	Sequence 10, Appl
40	1309	53.9	467	4 US-08-523-894-10	Sequence 8, Appl
41	1301	53.6	467	4 US-08-523-894-8	Sequence 8, Appl
42	1294	53.3	442	5 PCT-US96-10043-9	Sequence 9, Appl
43	1287	53.0	442	1 US-08-461-968A-5	Sequence 5, Appl
44	1287	53.0	442	2 US-08-462-571-5	Sequence 5, Appl
45	1277.5	52.6	476	4 US-08-487-550-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1

US-08-116-247-7
Sequence 7, Application US/08116247
Patent No. 5929212

GENERAL INFORMATION:

APPLICANT: Jolliffe, Linda K.

APPLICANT: Zivlin, Robert A.

APPLICANT: Adair, John R.

APPLICANT: Athwal, Diljeet S.

TITLE OF INVENTION: CD3 Specific Recombinant Antibody

NUMBER OF SEQUENCES: 29

CORRESPONDENCE ADDRESSES:

ADDRESS: Woodcock Washburn Kurtz Mackiewicz & No. 5929212tris

STREET: One Liberty Place - 46th Floor

CITY: Philadelphia

STATE: PA

COUNTRY: USA

ZIP: 19103

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/116/247

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/743,377

FILING DATE: 10-OCT-1991

ATTORNEY/AGENT INFORMATION:

NAME: Paintin, Francis A.

REGISTRATION NUMBER: 19,386

REFERENCE/DOCKET NUMBER: CARP-0011

TELECOMMUNICATION INFORMATION:

TELEPHONE: (215) 568-3100

TELEFAX: (215) 568-3439

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 468 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-116-247-7

Query Match 75.8%, Score 1839.5; DB 2; Length 468;
Best Local Similarity 76.3%, Pred. No. 1.2e-140;
Matches 347; Conservative 41; Mismatches 60; Indels 7; Gaps 3;

Qy	1	EVOLUOSPELVKPKASAMICRPSAYFEFNTNHWKOSHGSELEMTGGINPYGGSGIF	60
Db	20	OYOLQOOSAEIARLPASVKCKASGTYFTRTYHMHWAQKQGLEMTGTYINPSRGTYNY	79
Qy	61	SPKFKGATLTIVDKSSSTAYAMELRLTSDESAVYYCARRAGAYY-PRYWGQGTLLTVSSA	119
Db	80	NOKFKRATLTITDKSSSTAYWQLSLTSEDSAVYYCARYYDHHCLDYWGQGTLLTVSSA	139
Qy	120	KTTPPSYVPLAPGCGDPTTGGSSVTLGCLVYKGYFPESYVYTNWSSGLSSSYHTFPALDSGL	179
Db	140	KTTAPSYVPLAPVCGDPTTGGSSVTLGCLVYKGYFPPEVYLTWNSSGLSSGVTHTFPVYALDSL	199
Qy	180	YTMSSSYVPSSTPMSQVTCVSAAHPASSTVYDKLEKPSGISTINCPCKCKECHKCAP	239
Db	200	YTLSSSYVYTESSTPMSQVITCNVAHPASSTVYDKKIERG-ITIKCPC----KCPAP	259
Qy	240	NLEGGPSYFIIPPNIKDYMLSLTPKTYTCVYVDVSEDDPVQISWYVNNVEVHTAQOTH	299
Db	254	NILGGPSYFIIPPNIKIDYMLSLTPYTCVYVDVSEDDPVQISWYVNNVEVHTAQOTH	313
Qy	300	REDYNSTIRVYSTLPIDHODMSKKEFKCKVNNKDDPSPIERTSTIKIGYVRAPOVYILP	359
Db	314	REDYNSTIRVYSALPIQHODMSKKEFKCKVNNKDDPLPIERTSTIKRGSYRAPOVYILP	373
Qy	360	PPADLSRKDYSLTCLVYVGNPDISYEWTSGNHTENYKDTAPVLDSDGSYFTYKSLNM	419
Db	374	PPPEEMTKQVTLTCMVYDFMEDPIEYEMTNGKTELKYNKTEPEVLDSGDSYFMYSKLRY	433
Qy	420	KTSKWEKTDPSFCVNRHGLKNYLLKTIKTSIPK	454
Db	434	EKKMWERNYSYCSVHEGLKNYHTTYSFSSTPK	468

RESULT 2
 US-08-303-569B-7
 Sequence 7, Application US/08303569B
 Patent No. 5859205
 GENERAL INFORMATION:
 APPLICANT: Adair, John R.
 APPLICANT: Athwal, Diljeet S.
 APPLICANT: Emtage, John S.
 TITLE OF INVENTION: Humanised Antibodies
 NUMBER OF SEQUENCES: 31
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5859205TIS
 STREET: One Liberty Place - 46th Floor
 CITY: Philadelphia
 STATE: PA
 COUNTRY: USA
 ZIP: 19103
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/303,569B
 FILING DATE: 07-SEP-1994
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Trujillo, Doreen Yalco
 REGISTRATION NUMBER: 35,719
 REFERENCE/DOCKET NUMBER: CARP-0032
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (215) 568-3100
 TELEFAX: (215) 568-3439
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 468 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-303-569B-7

[illegible]

```

RESULT 3
US-08-353-400-33
Sequence 33, Application US/08353400
Patent No. 566357
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: PROTEINS
NUMBER OF SEQUENCES: 37
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/353,400
FILING DATE:
CLASSIFICATION: 424
PRIOR-APPLICATION DATA:
APPLICATION NUMBER: GB 9324819.3
FILING DATE: 03-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 941089.7
FILING DATE: 03-JUN-1994
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 445 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-353-400-33

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query match 65.78; score 1594.5; db 1; length 445;

LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-07-934-373C-22

Query Match 63.8%; Score 1548; DB 2; Length 454;
Best Local Similarity 63.8%; Pred. No. 3.8e-117;
Matches 294; Conservative 59; Mismatches 94; Indels 14; Gaps 4;

QY 1 EYDLOOSGPELVKPGASVAMISCTSAFTFENTVHWKSHGSLMIGINPYGGSIF 60
DB 1 QYDLOOSGPELVKPGASVAMISCTSAFTFENTVHWKSHGSLMIGINPYGGSIF 60
QY 61 SPFKGKATLVKSSSTAYMELRSLTSDSAVYCCARRAG-----AYYFDYWGQTTL 114
DB 61 NQRFMDKATLVKSSSTAYMELRSLTSDSAVYCCARRAG-----AYYFDYWGQTTV 120
QY 115 TVSSAKTTPPSVYPLAPGCGDITGSSVTLGCLVKGFPESVYTMNSGSLSSVHTFPAL 174
DB 121 TVSSASTKGPVSFPLAPSSKSTSGTALGCLVKGFPESVYTMNSGSLSSVHTFPAL 180
QY 175 LQ-SGLYTMSSSVTVSSWPOTVCSVAHPASSSTTVDKLEPSPGISTINPCPKCKC 233
DB 181 LOSSGLYSLSSVTVSSVTLGTYICVNNHKSNTKVDKVEPKSCDKT-HTCPR---- 235
QY 234 HRCAPNLEGGPSVFLEPPNIRKDVLMISLPKYTCVYVDVSEDDPDVQISWFNNVEVHT 293
DB 236 --CPABELLGGPSVLEPPPKRDTLMISRTPEYTCVYVDVSHEDPEVKFNWYVDGVEVHN 293
QY 294 AQTQTHREDYNSTIRVSTLPIQHODMMSGKEFKCKVNNKDLPSPIERTISKIGLVRAV 353
DB 294 AKTRPREEQYNSTYRVSVLYTLVHODMNGKEYCKVSNKALPAPLEKTSKAKGQPREP 353
QY 354 QYVTLPPPAEOLSRKDVSLTCLVGNFGPDISEMTNSGHTENYKDTAPVLDSDGSYFI 413
DB 354 QYVTLPPSREEMTKKNVSLTCLVKGFPYPSDIAVEMESNQPENNNKTTTPVLDSDGSFPL 413
QY 414 YSKLNKTSKMEKTDSCNVRHEGLKNYLLKRTISRSPGK 454
DB 414 YSKLTVDKSRMOGNGVSCSVMHREALHNHTOKSLSPGK 454

RESULT 6
US-08-437-642B-22
Sequence 22, Application US/08437642B
Patent No. 6054297
GENERAL INFORMATION:
APPLICANT: Paul J. Carter
APPLICANT: Leonard G. Prestla
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/437,642B
FILING DATE: 09-May-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/934373
FILING DATE: 21-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/146206

FILING DATE: 17-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/115272
FILING DATE: 14-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0709P2C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1994
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-437-642B-22

Query Match 63.8%; Score 1548; DB 3; Length 454;
Best Local Similarity 63.8%; Pred. No. 3.8e-117;
Matches 294; Conservative 59; Mismatches 94; Indels 14; Gaps 4;

QY 1 EYDLOOSGPELVKPGASVAMISCTSAFTFENTVHWKSHGSLMIGINPYGGSIF 60
DB 1 QYDLOOSGPELVKPGASVAMISCTSAFTFENTVHWKSHGSLMIGINPYGGSIF 60
QY 61 SPFKGKATLVKSSSTAYMELRSLTSDSAVYCCARRAG-----AYYFDYWGQTTL 114
DB 61 NQRFMDKATLVKSSSTAYMELRSLTSDSAVYCCARRAG-----AYYFDYWGQTTV 120
QY 115 TVSSAKTTPPSVYPLAPGCGDITGSSVTLGCLVKGFPESVYTMNSGSLSSVHTFPAL 174
DB 121 TVSSASTKGPVSFPLAPSSKSTSGTALGCLVKGFPESVYTMNSGSLSSVHTFPAL 180
QY 175 LQ-SGLYTMSSSVTVSSWPOTVCSVAHPASSSTTVDKLEPSPGISTINPCPKCKC 233
DB 181 LOSSGLYSLSSVTVSSVTLGTYICVNNHKSNTKVDKVEPKSCDKT-HTCPR---- 235
QY 234 HRCAPNLEGGPSVFLEPPNIRKDVLMISLPKYTCVYVDVSEDDPDVQISWFNNVEVHT 293
DB 236 --CPABELLGGPSVLEPPPKRDTLMISRTPEYTCVYVDVSHEDPEVKFNWYVDGVEVHN 293
QY 294 AQTQTHREDYNSTIRVSTLPIQHODMMSGKEFKCKVNNKDLPSPIERTISKIGLVRAV 353
DB 294 AKTRPREEQYNSTYRVSVLYTLVHODMNGKEYCKVSNKALPAPLEKTSKAKGQPREP 353
QY 354 QYVTLPPPAEOLSRKDVSLTCLVGNFGPDISEMTNSGHTENYKDTAPVLDSDGSYFI 413
DB 354 QYVTLPPSREEMTKKNVSLTCLVKGFPYPSDIAVEMESNQPENNNKTTTPVLDSDGSFPL 413
QY 414 YSKLNKTSKMEKTDSCNVRHEGLKNYLLKRTISRSPGK 454
DB 414 YSKLTVDKSRMOGNGVSCSVMHREALHNHTOKSLSPGK 454

RESULT 7
PCT-US93-07832-22
Sequence 22, Application PC/TUS9307832
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

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COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: palin (Genetech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/07832
FILING DATE: 19930820
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/934373
FILING DATE: 21-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME:
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 709P2PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE:
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 454 amino acids
TYPE: amino acid
TOPOLOGY: linear
PCT-US93-07832-22
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Query Match 63.8%; Score 1548; DB 5; Length 454;
Best Local Similarity 63.8%; Pred. No. 3.8e-117;
Matches 294; Conservative 59; Mismatches 94; Indels 14; Gaps 4;

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QY 1 EVOLQSGPELVKRGASVMISCRISATFTENTYVHWKQSGESLEWIGINPYGGSIF 60
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 QVOLQSGPELVKRGASVMISCRISATFTENTYVHWKQSGESLEWIGINPYGGSIF 60

QY 61 SPRKKGATLLVDRKSSAVYMELESLTSEDSAVYYCARAGAYFYDVGOGTTLV 114
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 NORMDATATLAVDKSTSTAYMELSLTSEDSGLYYCARMRGLNFGDYRYDVWGAGT 120

QY 115 TVSSAKTTPSVYPLAPGCGDTGSSVTLGCLVKGYPESTVTWNSGLSSVHTFPAL 174
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 TVSSASTKRGPSVFPLAPSSKTSSTGTAALGCLVADYFPEPTVSNMNSGALTSVHTFPAY 180

QY 175 LQ-SGLVTMSSSVTPSSSTWPSQFTVTCVAHPASSVTVDKKLEPSPISITINPCPCKEC 233
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 LQSSGLSLSSVTVTPSSSLGTQTYICNVNHNKPSNTKVKDKVPEPKSCDKT-HTCP- 235

QY 234 HKCAPMLDEGPSEVFIPPNIKDVLMSLTPEKVCYVVDSEDDPDVQISMFVNNVEVHT 293
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 236 -CAPPELLGSPVFLPPPKKDTLMISRTPEVTCVVDVSHDEPEKFMNYVGVGEVHN 293

QY 294 AQOTFHREDYNSTIRVSTLPIQHODMMSGKEFKCKVNNKDLPSPIERTISKIGLVAP 353
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 294 AKTPREDOYNSTIRVSVTLVLDHODMLNGKEYCKVSNKALPAPIETISKAGQPREP 353

QY 354 QVYILPPADQLSRKDVSLTCLVGVNGPDISVEMTNSNGHTENYKDTAPVLDSDGSYFI 413
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 354 QVYTLPPSRREMTKNQVSLTCLVKGFPYSDAVEMESNGCPENNYKTTTPVLDSDGSFEL 413

QY 414 YSKLMTKSMKEKDSFCNVRHGLKNYILKKTISDPGK 454
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 414 YSKLTVDKSRMOGCVFSCVMEALNHNHTOKSLSPGK 454
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RESULT 8
US-08-458-516-13

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: Sequence 13, Application US/08458516
: Patent No. 577085
: GENERAL INFORMATION:
: APPLICANT: Co, Man Sung
: APPLICANT: Tso, J. Yun
: TITLE OF INVENTION: Humanized Antibodies Reactive with
: TITLE OF INVENTION: GPIIb/IIIa
: NUMBER OF SEQUENCES: 23
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: William M. Smith
: STREET: One Market Plaza, Steuart Tower, Suite 2000
: CITY: San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentil Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,516
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/059,159
FILING DATE: 03-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-37-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 449 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-458-516-13
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Query Match 60.4%; Score 1466.5; DB 1; Length 449;
Best Local Similarity 60.7%; Pred. No. 1.4e-110;
Matches 277; Conservative 69; Mismatches 101; Indels 9; Gaps 4;

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QY 1 EVOLQSGPELVKRGASVMISCRISATFTENTYVHWKQSGESLEWIGINPYGGSIF 60
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 QVOLQSGAEVKKRPSVSKVSCAKGVAFTYLLIEWRQADGQGLEWIGVTPSGGGTNY 60

QY 61 SPRKKGATLLVDRKSSAVYMELESLTSEDSAVYYCARAGAYFYDVGOGTTLVSSA 119
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 NEKRGATLLVDESTINAYMELSLRSEDYAVFCARADNGYGFATWGGTTLVTVSSA 120

QY 120 KTPPEVYPLAPGCGDTGSSVTLGCLVKGYPESTVTWNSGLSSVHTFPALQ-SG 178
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 STKPSVYPLAPSSKTSSTGTAALGCLVADYFPEPTVSNMNSGALTSVHTFPALQSSG 180

QY 179 LYTMSSTVTPSSSTWPSQFTVTCVAHPASSVTVDKKLEPSPISITINPCPCKECHKPA 238
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 LYSLSSTVTPSSSLGTQTYICNVNHNKPSNTKVKDKVPEPKSCDKT-HTCP- 233

QY 239 PNLGSGPSVFIPPNIKDVLMSLTPEKVCYVVDSEDDPDVQISMFVNNVEVHTAQOT 298
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 234 PELGSGPSVFELPPPKKDTLMISRTPEVTCVVDVSHDEPEKFMNYVGVGEVHNATKRP 293

QY 299 HREDYNSTIRVSTLPIQHODMMSGKEFKCKVNNKDLPSPIERTISKIGLVAPDYIIL 358
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 294 REEQYNSTIRVSVTLVLDHODMLNGKEYCKVSNKALPAPIETISKAKGQPREPOVYTL 353

QY 359 PPPADQLSRKDVSLTCLVGVNGPDISVEMTNSNGHTENYKDTAPVLDSDGSYFIYSKLN 418
```


TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-916-098A-45

Query Match 59.3%; Score 1439; DB 2; Length 467;
Best Local Similarity 59.8%; Pred. No. 2.4e-108;
Matches 275; Conservative 69; Mismatches 98; Indels 18; Gaps 6;

QY 1 EVOLQSGPELVKPGASVMSICRTSAYTFTENTVHWKQSHGESLEWIGINPYGGSIF 60
DB 20 QVQVQESAEVKKPGASVYKSCASGYFTSYVLIHWVQAGQGLEWIGINPYVDGTDY 79
QY 61 SPFKGKATLVYDKSSSTAYMELSLTSEDSAVYYCARAGAY----YFDYWGCGTTLTV 116
DB 80 DEKFKGKATLVLDPSNTAYMELSLRSEDPYAVYYCAREKDNVATGAMFAVWGCGTTLTV 139
QY 117 SSAATTPSVYPLAPGCGDTGSSVTLGCLVKGYPPEPVTVNWSGSLSSVHFPALQ 176
DB 140 SSASTKGPVPLAPCSKSTSESTALGCLVKDFPEPVTVSMNSGALTSGVHFPALQ 199
QY 177 -SGLTMSSTVYVPSSTWPSQVTCVAHPASSTVDKLEPS-GPISTINPCPCKECH 234
DB 200 SSGLYSLSSVYTPSSSLGTTCYCNVDHKPSNTRKVDKRVESKYG-----PCP----- 248
QY 235 KCPAPNEGGGSVFIFPPNIDVMI SLTPKVTGVVDVSEDDPDVQISMFVNNVEHTA 294
DB 249 SCPAPFELGGGSVFLFPKPKDITLMSRTPEVTCVVDVSEDEPEVQFNWYVDGEVANA 308
QY 295 QTOHREDYNTIRVSTLPIQHDQMSGKFEKCKVNNKDLPSPIERTISKIGLVRAPO 354
DB 309 KTKREDFNSTIRVSVLYVLDHMDLNGEKCKCVSKGLPSSIEKTSIAK-QPREPO 367
QY 355 VYLPPPAQLSRKDVSLTCLVGFNPQDISVENTSGHTEENYKDPAPVLDSDGSYFIY 414
DB 368 VYTLPPQSEEMTKNQVSLTCLVKGFPYSDIAVEMESNGQPNNNYKTTTPVLDSDGSFELY 427
QY 415 SKLNMKTSKMEKTDSEFCNVRHEGLKNYLLKTTISRSPGK 454
DB 428 SRLTVDKSRMQEGNVFSCVMHEALHNHYTKSLSLSPGK 467

RESULT 11
US-08-378-939-10
Sequence 10, Application US/08378939
Patent No. 5876961
GENERAL INFORMATION:
APPLICANT: CROME, JAMES SCOTT
APPLICANT: LEWIS, ALAN PETER
TITLE OF INVENTION: PRODUCTION OF ANTIBODIES
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROTHWELL, FIGG, ERNST & KURZ
STREET: 555 THIRTEENTH ST. N.W.
CITY: WASHINGTON
STATE: D. C.
COUNTRY: U.S.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/378,939
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/952640
FILING DATE: 01-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: ERNST, BARBARA G

REGISTRATION NUMBER: 30,377
REFERENCE/DOCKET NUMBER: 1808-118
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 783-6040
TELEFAX: (202) 783-6031
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 476 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-378-939-10

Query Match 58.8%; Score 1427.5; DB 2; Length 476;
Best Local Similarity 58.2%; Pred. No. 2.1e-107;
Matches 270; Conservative 72; Mismatches 105; Indels 17; Gaps 4;

QY 1 EVOLQSGPELVKPGASVMSICRTSAYTFTENTVHWKQSHGESLEWIGINPYGGSIF 60
DB 20 QVQVQESAEVKKPGASVYKSCASGYFTSYVLIHWVQAGQGLEWIGINPYVDGTDY 79
QY 61 SPFKGKATLVYDKSSSTAYMELSLTSEDSAVYYCARAGAY----YFDYWGCGTTLTV 116
DB 80 DEKFKGKATLVLDPSNTAYMELSLRSEDPYAVYYCAREKDNVATGAMFAVWGCGTTLTV 139
QY 117 SSAATTPSVYPLAPGCGDTGSSVTLGCLVKGYPPEPVTVNWSGSLSSVHFPALQ 176
DB 140 SSASTKGPVPLAPCSKSTSESTALGCLVKDFPEPVTVSMNSGALTSGVHFPALQ 199
QY 177 -SGLTMSSTVYVPSSTWPSQVTCVAHPASSTVDKLEPS-GPISTINPCPCKECH 234
DB 200 SSGLYSLSSVYTPSSSLGTTCYCNVDHKPSNTRKVDKRVESKYG-----PCP----- 248
QY 235 KCPAPNEGGGSVFIFPPNIDVMI SLTPKVTGVVDVSEDDPDVQISMFVNNVEHTA 294
DB 249 SCPAPFELGGGSVFLFPKPKDITLMSRTPEVTCVVDVSEDEPEVQFNWYVDGEVANA 308
QY 295 QTOHREDYNTIRVSTLPIQHDQMSGKFEKCKVNNKDLPSPIERTISKIGLVRAPO 354
DB 309 KTKREDFNSTIRVSVLYVLDHMDLNGEKCKCVSKGLPSSIEKTSIAK-QPREPO 367
QY 355 VYLPPPAQLSRKDVSLTCLVGFNPQDISVENTSGHTEENYKDPAPVLDSDGSYFIY 414
DB 368 VYTLPPQSEEMTKNQVSLTCLVKGFPYSDIAVEMESNGQPNNNYKTTTPVLDSDGSFELY 427
QY 415 SKLNMKTSKMEKTDSEFCNVRHEGLKNYLLKTTISRSPGK 454
DB 428 SRLTVDKSRMQEGNVFSCVMHEALHNHYTKSLSLSPGK 467

RESULT 12
US-09-027-449-71
Sequence 71, Application US/09027449
Patent No. 6025158
GENERAL INFORMATION:
APPLICANT: Gonzalez, Tania R.
APPLICANT: Leong, Steven R.
APPLICANT: Prestia, Leonard G.
TITLE OF INVENTION: Antibody Fragment-Polymer Conjugates and
TITLE OF INVENTION: Humanized Anti-IL-8 Monoclonal Antibodies
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

APPLICANT: Genentech, Inc.
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/07832
FILING DATE: 19930820
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/715272
FILING DATE: 14-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05126
FILING DATE: 15-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/934373
FILING DATE: 21-AUG-1992
ATTORNEY/AGENT INFORMATION:
NAME:
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 709P2PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE:
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 552 amino acids
TYPE: amino acid
TOPOLOGY: linear
PCT-US93-07832-23

Query Match 58.5%; Score 1419; DB 5; Length 552;
Best Local Similarity 50.1%; Pred. No. 1.3e-106;
Matches 278; Conservative 73; Mismatches 98; Indels 106; Gaps 6;
QY 1 EVOLQSGPELVKPGASVMISCR-----AYFDYWGQGTTLTVSSAKTTP 23
DB 3 QVQLQSGPELVKPGASVKISCKTSGTFTEMGSCITLFLVATATGVHSEVLVESGGG 62
QY 24 -----TSAYFTFENTVHWKQSHGESLEWIGINPYGGSIFSPKFKGATL 70
DB 63 LVPGGSLRLSCATSGTFTFYTHMMRQAPGKLEWYAGINPKNGSGHQRMDRTTI 122
QY 71 TVDKSSSTAYMELRLSTSEDSAVYYCARAG-----AYFDYWGQGTTLTVSSAKTTP 124
DB 123 SYVSKSTAYMOMNSLRAEDTAYYYCARMRGLNCFDVRYPDVWGQGTTLTVSSASTGP 182
QY 125 SYVPLAGCGDGTSSVTLCGLVKGYPPESTVTWNSGSLSSVHTPALQ-SGLVTMS 183
DB 183 SVPLPACSSSTSESTALGCLVNDYFPEPYTWSNSGALTSVHTPPAVLQSSGLYSL 242
QY 184 SSVTPSPSTPQVTCSSVAHPASTTVDKKLEPSGPISTINPCPC----- 230
DB 243 SVYIVTSSNGTQTYTTCNVHDKPSNTKYDKVERKCCYT-----CPPCPAPLLGSPVFL 298
QY 231 -----KECHKPAPNLEGGSPVFTFPPIKIDVL 259
DB 299 FPPKPKDTLMISRTPEVTCVVDVSHEDPEVEKPCPCAPPV-AGPSVFLPFPKPKDTLM 357
QY 260 ISLTPKTCVVDVSEDDPDVQISWFINNVENVHTAQOTQTHEDYNSTIRVYSTLPIDQHD 319

QY 358 ISRTPEVTCVVDVSHEDPEVEQFNMYDGMVHNAKTRPREQNSITFRVYSVLTVYHQD 417
QY 320 WMSGKEFKCKVNNKDLSPISERTISKIGLVAPQVYILPPAPQLSKRDVSLTCLVVG 379
DB 418 WLNGKEFKCKVNNKGLPAPIEKTSIKTGQPREQVYTLPPSREMTKNQVSLTCLVVG 477
QY 380 NPGDISVEMTNGHTENYKTAFLVLDSDGSFYISKLNMTSKWEKTDSCVNRHGL 439
DB 478 YPSDIAVEMESNGQENNYKTKTPMLDSDGSFFLYSKLTVDKSRWQGVNVCSCVMEAL 537
QY 440 KNYLAKTISRSPGK 454
DB 538 NHHTQKSLSLSPGK 552
RESULT 15
US-08-788-800-12
Sequence 12, Application US/08788800
Patent No. 5914112
GENERAL INFORMATION:
APPLICANT: Bednar, Martin M.
ADDRESSEE: Thomas, G. Roger
TITLE OF INVENTION: ANTI-CD18 ANTIBODIES IN STROKE
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/788,800
FILING DATE: 22-Jan-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0987r1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 450 amino acids
TYPE: Amino Acid
TOPOLOGY: linear
US-08-788-800-12
Query Match 58.3%; Score 1416; DB 2; Length 450;
Best Local Similarity 58.1%; Pred. No. 1.7e-106;
Matches 268; Conservative 73; Mismatches 102; Indels 18; Gaps 5;
QY 1 EVOLQSGPELVKPGASVMISCRSAYFTFENTVHWKQSHGESLEWIGINPYGGSIF 60
DB 1 EVQLVESGGGLVQGGSLRLSCATSGTFTFYTHMMRQAPGKLEWYAGINPKNGGTS 60
QY 61 SPKFKGATLVLDKSSSTAYMELRLSTSEDSAVYYCARAG-----AYFDYWGQGTTL 114
DB 61 NQRFMDRTIISVDRKSTAYMOMNSLRAEDTAYYYCARMRGLNCFDVRYPDVWGQGTTL 120
QY 115 TVSSAKTTPPVPVPLAPCGDGTSSVTLCGLVKGYPPESTVTWNSGSLSSVHTPPAL 174
DB 121 TVSSASTGSPVFLPACRSSTSESTALGCLVNDYFPEPYTWSNSGALTSVHTPPAV 180

